

S/070/63/008/001/014/024
E132/E460

AUTHOR: Chernov, A.A.

TITLE: The growth forms of crystals and their kinetic stability

PERIODICAL: Kristallografiya, v.8, no.1, 1963, 87-93

TEXT: The paper is a continuation of an earlier work (Kristallografiya, v.7, no.5, 1962). A qualitative examination is made of the distortion of the form of a polyhedral crystal under the influence of the diffusion of non-uniformities of supersaturation on its faces. It emerges that if the crystal has dimensions greater than a certain critical value, then it cannot retain the isometric polyhedral form, which becomes unstable, and goes over to a skeletal or dendritic form. The critical dimensions which give a criterion for absolute instability are proportional to the diffusion coefficient in the mother liquor and inversely to the anisotropy of the kinetic coefficient which characterizes the speed of elementary growth processes on the surface of the crystal. For a crystal of dimensions small compared with D/β , where D is the diffusion coefficient and

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The growth forms ...

β is the absorbing power and depends, perhaps strongly, on the direction of the face if the supersaturation is a minimum near the middle of the face and a maximum near the edges then β , which is a minimum for close-packed planes, will be near to the close-packed planes at the edges and depart increasingly from this plane towards the centre of the face. The face will thus take the form of a hill which rises to a point in the centre of the face. As the size of the crystal increases the diffusion non-uniformities outrun the crystallographic anisotropy and the crystals tends to dendritic form. A mathematical analysis is given. The phenomenon is illustrated by convexo-concave flat forms observed on the surface (0001) of SiC crystals or, in the three-dimensional case, by crystals of $Pb_3NiNb_2O_9$. There are 5 figures.

ASSOCIATION: Institut kristallografii AN SSSR
(Institute of Crystallography AS USSR)

SUBMITTED: January 20, 1962
Card 2/2

BARTINI, G.R. [deceased]; DUKOVA, Ye.D.; KORSHUNOV, I.P.; CHERNOV, A.A.

Stepped surface relief of β -methyl naphthalene crystals growing
from the melt. Kristallografiia 8 no.5:758-764 S-0 '63.

(MIRA 16:10)

1. Institut kristallografi AN SSSR.

DUKOVA, Ye.D.; CHERNOV, A.A.

Statistical description of the stepped surface relief of
 β -methyl naphthalene. Kristallografiia 8 no.5:765-769 '63. ~~See~~
(MIR 16:10)

1. Institut kristallografii AN SSSR.

CHERNOV, A.A. (Moskva)

Paper ribbons and the "white gold." Priroda 52 no.8:59 Ag '63.
(MIRA 16:9)
(No subject headings)

PALATNIK, Lev Samoylovich; PAPIROV, Igor' Isaakovich; LEMMLEYN,
G.G., prof., retsenzent; CHERNOV, A.A., kand. fiz.-mat.
nauk, retsenzent; MAL'TSEV, M.V., prof., retsenzent;
CHISTYAKOV, Yu.D., dots., kand. tekhn. nauk, nauchn.red.

[Oriented crystallization] Orientirovannaia kristallizatsiia.
Moskva, Metallurgiia, 1964. 407 p. (MIRA 17:12)

ACCESSION NR: AP4024991

s/0070/64/009/002/0231/0241

AUTHORS: Lemmleyn, G. G. (Deceased); Kliya, M. O.; Chernov, A. A.

TITLE: A morphological study of artificial diamond crystals

SOURCE: Kristallografiya, v. 9, no. 2, 1964, 231-241

TOPIC TAGS: diamond, synthetic diamond, artificial diamond, artificial diamond crystal, octahedral face, cubic form, spiral layer, dislocation, dislocation growth, cyclical twinning, spinal law, skeletal crystal

ABSTRACT: The diamonds in this study were grown from the liquid phase. They developed chiefly a skeletal structure, formed as a rule by octahedral faces. This skeletal structure indicates a marked deviation from equilibrium in the solution. Faces of the cubic form are truncated. These form in spiral layers, attesting to a dislocation mechanism of growth. The ribbing on the spirals ranges from a few angstroms to 100 Å in height. The octahedral faces do not have such relief, and they show no typical development of spiral form of dislocation origin. A cyclic type of twinning was observed, developing according to the spinel law.

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ACCESSION NR: AP4024991

The twinning occurs on the (111) face and the angle between twins is on the order of $70^{\circ}32'$. The forms of these cyclic twins and their topography are very similar to the photographs of faces of the orthorhombic dodecahedrons of artificial diamond described by H. P. Bovenkerk (Some observations on the morphology and physical characteristics of synthetic diamond, Industr. Diamond Rev.). This type of twinning is rarely observed in nature, but it may be more common than observations lead us to suspect. Orig. art. has: 12 figures.

ASSOCIATION: Institut kristallografii AN SSSR (Institute of Crystallography AN SSSR)

SUBMITTED: 05Sep63 DATE ACQ: 16Apr64 ENCL: 00

SUB CODE: PH NO REF SOV: 001 OTHER: 006

Card 2/2

ACCESSION NR: APL039398

S/0070/64/009/003/0388/0395

AUTHORS: Chernov, A. A.; Budurov, S. I.

TITLE: Growth forms of macroscopic stages. Development of faces at the ends of crystal stages

SOURCE: Kristallografiya, v. 9, no. 3, 1964, 388-395

TOPIC TAGS: crystal growth, diffusion coefficient, crystallization kinetics

ABSTRACT: This report is a continuation of previous work by the authors. In examining the crystal form on the ends of growing crystal stages, the authors found the form to be affected both by anisotropy of the kinetic coefficient of crystallization and by variations in diffusion in the parent solution. When a stage of growth on the crystal is low (short distance above the surface on which it is growing), the end is generally terminated by a single face. As the stage enlarges (height increases), another face generally develops above the first. This new face is found to develop in jumps, generally, and the process is controlled by the size of the kinetically stable "seed" for the new face and by the dimensions of the end faces at various heights of the macrostage. The authors derive expressions to define the concentration distribution about the ends of the

ACCESSION NR: AP4039398

growing crystal stages and to establish quantitative criteria for determining the existence of any particular form. Integrations were made on a computer. In considering a crystal plate to grow only from the end, it may be stated that if the plane parallel to the plate and passing through the middle of the plate is the symmetry plane of the crystal, the diffusion field around the end of the plate has symmetrical distribution like the longitudinal field of the macrostage, the height being half the thickness of the crystal. The profile of the end of the plate is a reflection of the profile of the macrostage through the indicated plane. "The numerical integration was performed at the Vy*chislitel'ny*y tsentr ob"yedinennogo instituta yaderny*kh issledovaniy (Computing Center of the United Institute of Nuclear Investigations), thanks to the kindness of N. N. Govorun, to whom the authors express their sincere thanks." Orig. art. has: 6 figures and 11 formulas.

ASSOCIATION: Institut kristallografii AN SSSR (Institute of Crystallography AN SSSR); Sofiyskiy gosudarstvenny*y universitet (Sofia State University)

SUBMITTED: 25Sep63

ENCL: 00

SUB CODE: SS

NO REF Sov: 002

OTHER: 002

Card 2/2

CHERNOV, A.A.; BUDUROV, S.Y. [Budurov, S.I.]

Forms of growth of macroscopic steps. Smooth curvature of ends
and the formation of inclusions. Kristallografiia 9 no.4:466-
471 Jl-Ag '64.

(MIRA 17:11)

1. Institut kristallografii AN SSSR i Sofiyskiy gosudarstvennyy
universitet, Bolgariya.

ACCESSION NR. AP4033976

S/0030/64/000/003/0122/0123

AUTHOR: Chernov, A. A. (Candidate of physicomathematical sciences)

TITLE: Problems of crystal growth. [Report of the Third All-Union Conference on Crystal Growth held in Moscow from 18 to 25 November 1963]

SOURCE: AN SSSR. Vestnik, no. 3, 1964, 122-123

TOPIC TAGS: single crystal, crystal growth, crystal defect, crystallization chemistry, gas phase crystallization, crystal shape

ABSTRACT: The purpose of the Tret'ye vsesoyuznoye soveshchaniye po rosty kristallov (Third All-Union Conference on Crystal Growth), held on 18-25 November 1963, was to contribute to the theory and practice of single-crystal growth. About 800 persons attended the conference, among them 35 professional people from Bulgaria, GDR, CPR, Poland, Romania, and Czechoslovakia. A total of 150 papers were presented, of which the following are singled out: B. Ya. Lyubov and A. A. Chernov, "Quasi-crystallographic" growth forms of real crystals and formation of microscopic inclusions; V. L. Indenbom, Theory of

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ACCESSION NR. AP4033976

internal stress and dislocations in crystals; R. Kaishev (Bulgaria), Molecular kinetic study of nucleation; G. Bliznakov (Bulgaria) and W. Kleber (GDR), Epitaxial growth; V. A. Kizel', Temperature dependence of certain physical properties of liquids near the crystallization point; B. K. Vaynshteyn and I. G. Chistyakov, Structural changes in liquid crystals during phase transition; a series of papers by N. P. Luzhnaya, K. T. Wilke, V. A. Timofeyeva, Z. N. Zonn and V. A. Ioffe, Ye. G. Fesenko, S. Sh. Gandelev, N. A. Toropov, V. N. Izvekov, and Yu. L. Il'in and D. A. Yas'kov on crystallization from solution in molten salts and from gaseous or liquid phase as a result of a chemical reaction; D. Ye. Ovsyienko and coworkers, Ye. K. Dobrovinskaya, et al., Effect of impurities and admixtures on the growth rate and defects of crystals; G. I. Distler, S. A. Daryusina, and I. Ye. Bolotov, Electron microscope studies of silicon single crystals and graphite; A. V. Stepanov and D. A. Petrov and coworkers, Shaping of crystals and mechanism of dendritic growth; Ya. Ye. Geguzin and coworkers, Growth of negative crystals [poros]; G. F. Dobrzhanskiy and A. A. Urusovskaya, Growth of dislocation free crystals by the Czochralski method. The most important topics from the practical standpoint were: forma-

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ACCESSION NR. AP4033976

tion of defects; chemistry of crystallization process as reflected in the quality of crystals; shaping of crystals; and growth of semiconductor, metallic, ferroelectric, optical, and other crystals. The method of crystallization from the gas phase is more and more frequently used.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 07May64 ENCL: 00
SUB CODE: PH NO REF Sov: 000 OTHER: 000

Card 3/3

L 12101-66 EWT(1)
ACC NR: AP60000526

SOURCE CODE: UR/0070/65/010/006/0791/0799

AUTHOR: Chernov, A. A.; Mel'nikova, A. M.

ORG: Institute of Crystallography, AN SSSR (Institut kristallografi AN SSSR)

TITLE: Growth of crystals from a solution in the presence of an extraneous spherical particle

SOURCE: Kristallografiya, v. 10, no. 6, 1965, 791-799

TOPIC TAGS: single crystal growing, crystal imperfection

ABSTRACT: One of the ways for introducing impurities into growing crystals is to generate channels under foreign particles located within the solution or melt near the surface of the crystal. The present paper investigates theoretically the growth of the face of the crystal from a solution in the presence of a spherical particle. The concentration distribution in the solution and the crystallization conditions are stationary (the concentration satisfies the Laplace equation). After formulating the general problem concerning the crystal growth under these conditions, the authors determine the concentration field caused by the presence of the sphere at a fixed distance from the plane crystallization front. The possible incorporation of the mother liquor under the sphere due to a lack

UDC: 548.52

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27B

L 12101-66
ACC NR: AP6000526

of sufficient feed is estimated, and the results are found in qualitative agreement with experiments comprising small-size spheres. The reasons for the experimentally observed strong dependence of impurity incorporation on supersaturation are also discussed. Orig. art. has: 30 formulas and 5 figures.

SUB CODE: 20 / SUBM DATE: 29May65 / ORIG REF: 007

H/W

L 12099-66 EWT(1)/EWT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/GG

ACC NR: AP6000527 SOURCE CODE: UR/0070/65/010/006/0800/0804

AUTHOR: Chernov, A. A.; Mel'nikova, A. M.

ORG: Institute of Crystallography, AN SSSR (Institut kristallografiia AN SSSR)

TITLE: Growth of crystals from a melt in the presence of an extraneous spherical particle

SOURCE: Kristallografiya, v. 10, no. 6, 1965, 800-804

TOPIC TAGS: single crystal growing, crystal imperfection

ABSTRACT: This paper, which is a continuation of a preceding article (Kristallografiya, 10, 6, 1965), investigates theoretically the growth of crystals from melts in the presence of an extraneous spherical particle located over the crystal-line surface. The growth is assumed to occur under stationary conditions, and following the formulation of the problem, the authors determine the temperature field of the growing crystals in the presence of a sphere at a fixed distance from the plane crystallization front. A discussion of the results shows that during the interaction between the particle and the crystal the sphere either accelerates the growth of the crystal or a channel is formed within the crystal under the sphere. Orig. art. has: 23 formulas and 3 figures.

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UDC: 548.52

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"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308530003-9

L 12099-66

ACC NR: AP6000527

SUB CODE: 20 / SUEM DATE: 29May65 / ORIG REF: 002

Card 2/2

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308530003-9"

A. B. CHERNOV.

N/5
662
.K83

MASHINOVEDENIYE [MACHINE THEORY, BY] N.K. KORNEYCHUK I KORNEYCHUK, NIKOLAY KARPOVICH. MOSKVA, TRUDREZERVIZDAT, 1957. 439 P. ILLUS., DIAGRS., TABLES. "LITERATURA": P. 432-433.

KALABINA, A.V.; STEPANOV, D. Ye.; KRON, V.A.; CHERNOV, A.B.

Vinyl ethers in diene synthesis. Report No.2: Nitration and sulfonation of hexachlorophenoxybicycloheptene. Izv. SO AN SSSR no.7 Ser. khim. nauk no.2:106-110 '64 (MIRA 18:1)

1. Irkutskiy gosudarstvennyy universitet imeni A.A. Zhdanova i Irkutskiy institut organicheskoy khimii Sibirskogo otdeleniya AN SSSR.

CHERNOV, A. D.

Chernov, A. D. "On auxiliary mechanisms which function as variable parameters of steam," Sudostroyeniye, 1948, No. 6, pp. 13-16

SO: U-3264, 10 April 53 (Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308530003-9

CHERNOV, A.D.

DGROGOSTAYSEIY, D.V. ; MAL'TSEV, N.Ya.; CHERNOV, A.D.

[Principles of shipbuilding] Osnovy sudostroeniia. [Leningrad]
Gos. izd-vo sudostroit. lit-ry, 1952. 296 p. (MLRA 7:4)
(Shipbuilding)

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308530003-9"

CHERNOV, A.D., inzhener; AGAFONOV, V.A., kandidat tekhnicheskikh nauk.

Engine and boiler installations on the American destroyer
"Timmerman". Sudostroyenie 22 no.2:23-30 F '56. (MLRA 9:7)
(United States--Marine engines) (Timmerman (Ship))

~~CHERNOV, A.D., inzhener; POZDNEYEV, A.V., kandidat tekhnicheskikh nauk.~~

Ways of developing steam turbine plants on seagoing cargo ships.
Sudostroenie 23 no.1:19-26 Ja '57. (MIRA 10:10)
(Marine turbines) (Merchant ships)

CHERNOV, Aleksandr Dmitreyevich; POZDEYEV, Aleksey Vladimirovich, VASIL'YEV,
Leonid Georgiyevich; LEVOCHKINA, L.I., tekhn. red.

[Steam turbine installations on ocean-going transport vessels]
Paroturbinnye ustanovki morskikh transportnykh sudov. Leningrad,
Gos. soiuznoe izd-vo sudostroit. promyshl., 1958. 157 p.
(Steam turbines) (MIRA 11:7)

CHERNOV, A.D., inzh.

Cost of constructing steam-turbine units for cargo vessels.
Sudostroenie 24 no.5:27-29 My '58. (MIRA 11:6)
(Marine engines--Costs)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308530003-9

CHERNOV, A.D., inzh.; PAKHK, E.E., inzh.

~~Effect of initial steam parameters on the efficiency of
GTZA marine engines. Sudostroenie 24 no. 9:25-28 S '58.
(Marine engines)~~
(MIRA 11:11)

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308530003-9"

CHIRNOV, A.D., inzh.; SEDAKOV, L.P., inzh.

Effect of intermediate heating of steam on the efficiency of marine
gas turbines. Sudostreenie 25 no. 4:18-21 Ap '59.

(MIRA 12:6)

(Marine gas turbines)

CHERNOV, A.D., inzh.

Evaluation of some trends in increasing economic efficiency of power
plants used in freighters and tankers. Sudostroenie 25 no.1:53-57
Ja '59. (MIRA 12:3)

(Marine turbines)

POZDEYEV, Aleksey Vladimirovich; CHERNOV, A.D., dots., retsenzent;
SHAURAK, Ye.N., red.

[Marine atomic power plants; ways and prospects for their
development] Sudovye atomnye energeticheskie ustanovki;
puti i perspektivy razvitiia. Leningrad, Sudostroenie,
1964. 819 p. (MIRA 18:3)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308530003-9

CHERNOV, A. G.

MESHCHANINOV, II. AND CHERNOV, A.G.
Academicians

"Worthy Successor of Eminent Soviet Scientists" Vest. Ak. Nauk SSSR, No. 10, 1944

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308530003-9"

ISAYENKO, Nikolay Borisovich; CHERNOV, Andrey Grigor'evich; LARINA, L.M.,
redaktor; KIRSANOV, N.A., tekhnicheskij redaktor

[Innovators of a building project; experience with innovators in the
Moscow Building Administration No.32] Ratsionalizatory odnoi stroiki;
iz opyta raboty s ratsionalizatorami v Moskovskom stroitel'nom upra-
vlenii no.32. [Moskva] Izd-vo VTeSPS Profizdat, 1956. 49 p.
(Building) (MIRA 10:1)

TABLE, Yevgeniy Viktorovich; PAYEVSKAYA, A.V.; CHERNOV, A.G.; ZHELUBOVSKAYA,
E.A., red.toma; GUSEVA, K.A., red.izd-va; SHCHERBKO, G.N.,
tekhn.red.

[Works in twelve volumes] Sochineniya v dvenadtsati tomakh.
Moskva, Izd-vo Akad.nauk SSSR, Vol.6. 1959. 814 p. (MIRA 12:2)
(France--Labor and laboring classes)

5.3400

77539
SOV/80-33-1-48/49

AUTHORS:

Shorygina, N. V., Chernov, A. G.

TITLE:

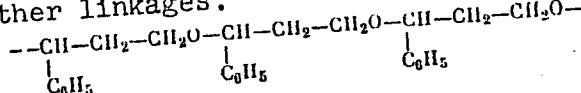
Brief Communications. Synthesis of Copolymers of Styrene With Formaldehyde. Communication II, From the Series of Investigations of Cyclic Acetals

PERIODICAL:

Zhurnal prikladnoy khimii, 1960, Vol 33, Nr 1, pp 251-253 (USSR)

ABSTRACT:

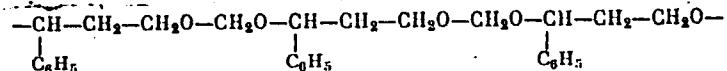
Two copolymers of styrene and formaldehyde were prepared. The first copolymer was obtained by telomerization of one mole of styrene with two moles of formaldehyde. The elemental composition corresponds to the copolymer of styrene with formaldehyde in the ratio 1 to 1; the polymer contains 12% oxygen. The absence of other functional groups indicates a telomer with ether linkages.



Brief Communications. Synthesis of
Copolymers of Styrene With Formaldehyde.
Communication II, From the Series of
Investigations of Cyclic Acetals

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The second copolymer was obtained by condensation of one mole of styrene with 3 moles of formaldehyde, and contains 18% oxygen. The elemental composition corresponds to a copolymer of styrene with formaldehyde in the ratio 4 to 7.



The second copolymer was used for the preparation of phenol-formaldehyde resins.

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Brief Communications. Synthesis of
Copolymers of Styrene With Formaldehyde.
Communication II, From the Series of
Investigations of Cyclic Acetals

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The change of free phenol content in the condensation of styrene-formaldehyde copolymer with phenol.

a	b	c	d
0	63.3	160	42.3
20	55.95	190	42.41
40	48.25	230	42.40
80	44.95	260	40.59
130	41.38	300	41.3

a = Time from the start of reaction in min

b = free phenol content (in %)

From the above resin a powder was obtained which after pressing gave blocks with a heat resistance of over 300°, according to Martens. There are 2 tables; and 4 references, 1 Soviet, 3 U.S. The U.S. references are: J. W. Breitenbach, J. Phys. Chem., A.

Card 3/4

Brief Communications. Synthesis of
Copolymers of Styrene With Formaldehyde.
Communication II. From the Series of
Investigations of Cyclic Acetals

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SOV/80-33-1-48/49

187, 175 (1940); D. D. Coffman, J. Am. Chem. Soc.,
73, 4748 (1951); F. A. Bovey, ibid, 69, 2143
(1947).

SUBMITTED: May 9, 1959

Card 4/4

CHERNOV, A.G.

Through the long years; N.A.Rubakin's letters to V.I.Vernadskii.
Priroda 52 no.4:73-74 '63. (MIRA 16:4)

(Rubakin, Nikolai Aleksandrovich, 1862-1946)
(Vernadskii, Vladimir Ivanovich, 1863-1945)

GOL'DANSKIY, V.I.; KUZNETSOV, B.G., prof.; MIGDAL, A.B.; FRANK, I.M.; CHERNOV,
A.G.; FAYNBOY, I.B., red.

[The constitution of matter; first talk] Stroenie veshchestva;
beseda pervaia. [By] V.I. Gol'danskii i dr. Moskva, Izd-vo "Znanie,"
1964. 38 p. (Novoe v zhizni, nauke, tekhnike. IX Seriia: Fizika,
matematika, astronomiia, no.5) (MIRA 17:5)

1. Chleny-korrespondenty AN SSSR (for Gol'danskiy, Migdal, Frank).

AMBARTSUMYAN, V.A., akademik; GINZBURG, V.L.; ZEL'DOVICH, Ya.B.,
akademik; PONTEKORVO, B.M.; SMORGINSKIY, Ya.A. . autor
fiz.-matem. nauk, prof.; FOK, V.A., akademik, CHERNOV,
A.G.; FAYNBOYM, I.B., red.

[Birth and evolution of the galaxies and stars; the third
discussion] Rozhdenie i evoliutsiya galaktik i zvezd; be-
seda tret'ia. [By] V.A.Ambartsumian i dr. Moskva, Izd-vo
"Znanie," 1964. 27 p. (Novoe v zhizni, nauke, tekhnike.
Serija IX: Fizika, matematika, astronomiya, no.12)
(MIRA 17:6)
1. Chlen-korrespondent AN SSSR (for Ginzburg, Pontekorvo).

KUZNETSOV, B.G., prof.; POMERANCHUK, I.Ya., akademik; SMORODINSKIY,
Ya.A., prof.; TAMM, I.Ye., akademik; SHAFIRO, I.S., prof.;
CHERNOV, A.G.; FAYNSGYM, I.B., red.

[Problems in the theory of elementary particles; fourth
talk] Problemy teorii elementarnykh chastits, be-
seda chetvertaia. V besede uchastvuiut: L. Kuznetsov i
dr. Moskva, Izd-vo "Znanie," 1964. 24 p. (Novoe v zhizni,
nauke, tekhnike. IX Seriya: Fizika, matematika, astrono-
mija, no.20) (MIRA 17:10)

CHERNOV, A.G.; NIKOLAYEV, V.R., red.

[Chemistry of life. Seventh discussion. Participants in
the discussion: A.N.Belozerskii and others] Khimiia zhizni;
Beseda sed'maia. V besede uchastvuiut: A.N.Belozerskii i dr.
Moskva, Izd-vo "Znanie," 1965. 31 p. (Novoe v zhizni, nauke
tehnike. VIII Seria: Biologija i meditsina, no.4)
(MIRA 18:3)

FLEROV, G.N.; DRUIN, V.A., kand. fiz.-mat. nauk; GANESYAN,
Yu.Ts., kand. fiz.-mat. nauk; POLIKANOV, S.M., kand.
fiz.-mat. nauk; DONETS, Ye.D., nauchn. sotr.; ZVARA,
Ivo, nauchn. sotr.; CHERNOV, A.G.; FAYNBOYM, I.B., red.

[Prospects for the synthesis of transuranium elements.
Ninth discussion. Participants in the discussion: Flerov,
G.N. and others] Perspektivy sinteza transuranovykh ele-
mentov. V besede uchastvuiut: G.N.Flerov i dr. Moskva,
Znanie, 1965. 39 p. (Novoe v zhizni, nauke, tekhnike.
IX Seriya: Fizika, matematika, astronomiia, no.10)
(MIRA 18:5)

PETROS'YANTS, A.M.; DOLLEZHAL', N.A., akademik; KHLOPKIN, N.S.,
kand. tekhn. nauk; CHERNOV, A.G.; IVANOV, S.M., red.

[Present-day atomic engineering. Tenth discussion] Atomnaia
energetika nashikh dnei. Beseda desiatia. Moskva, Izd-vo
"Znanie," 1965. 29 p. (Novoe v zhizni, nauke, tekhnike.
IV Seriya: Tekhnika, no.3) (MIRA 18:4)

1. Predsedatel' Gosudarstvennogo komiteta po ispol'zovaniyu
atomnoy energii SSSR (for Petros'yants).

CHERNOV, A.G.; NIKOLAYEV, V.R., red.

[Chemistry in the service of medicine. Participants in
the discussion: A.A.Vishnevskii and others] Khimiia na
sluzhbe meditsiny. V besede uchastvuiut: A.A.Vishnevskii
i dr. Moskva, Znanie, 1965. 29 p. (Novoe v zhizni,
nauke, tekhnike. VIII Seriia: Biologija i meditsina,
no.15) (MIRA 18:7)

BLOKHIN, N.N.; VASIL'YEV, P.V., kand. biol. nauk; LEBEDINSKIY, A.V., prof. [deceased]; YAZDOVSKIY, V.I., doktor med. nauk, prof.; CHERNOV, A.G.; NIKOLAYEV, V.R., red.

[Man in a space ship. Eighth discussion. Participants in the discussion: N.N.Blokhin and others] Chelovek v kosmicheskem korable. Beseda vos'maia. V besede uchastvuiut: N.N.Blokhin i dr. Moskva, Znanie, 1965. 30 p. (Novoe v zhizni, nauke, tekhnike. VIII seriya: Biologija i meditsina, no.7) (MIRA 18:4)

1. Deystvitel'nyy chlen, prezident AMN SSSR (for Blokhin).
2. Deystvitel'nyy chlen AMN SSSR (for Lebedinskiy).

ASRATYAN, E.A.; VORONIN, L.G.; GRASHCHENKOV, N.I.; PARIN, V.V.;
RUSINOV, V.S.; SOKOLOV, Ye.N., pref.; CHERNOV, A.G.;
NIKOLAYEV, V.R., red.

[Problems of contemporary physiology] Problemy sovremennoi
fiziologii. Moskva, Izd-vo "Znanie," 1965. 31 p. (Novoe v
zhizni, nauke, tekhnike. VIII Seriya: Biologija i meditsina,
no.11) (MIRA 18:6)

1. Vsesoyuznoye fiziologicheskoye obshchestvo imeni I.P.
Pavlova. 2. Chlen-korrespondent AN SSSR (for Asratyan,
Grashchenkov). 3. Chlen-korrespondent Akademii pedagogiche-
skikh nauk RSFSR (for Voronin). 4. Deystvitel'nyy chlen
AMN SSSR (for Parin). 5. Chlen-korrespondent AMN SSSR (for
Rusinov).

GOL'DANSKIY, V.I.; KITAYGORODSKIY, I.I., prof.; KOST, A.N., prof.;
LEVICH, V.G.; ORMONT, B.F., prof.; RAZUVAYEV, G.A.;
TAL'ROZE, V.L., prof.; CHERNOV, A.G.; IVANOV, S.M., red.

[Chemistry on new frontiers] Khimiia na novykh rubezhakh.
Moskva, Izd-vo "Znanie," 1965. 46 p. (Novoe v zhizni.
nauke, tekhnike. XI Seriya: Khimiia, no.2) (MIRA 18:4)

1. Chlen-korrespondent AN SSSR (for Gol'danskiy, Levich,
Razuvayev).

CHERNOV, A.G.; NIKOLAYEV, V.R., red.

[Problems of biophysics. Participants in the discussion:
IU.A.Vladimirov and others] Problemy biofiziki. V besede
uchastvuiut: IU.A.Vladimirov i dr. Moskva, Znanie, 1965.
63 p. (Novoe v zhizni, nauke, tekhnike. VIII Seria:
Biologija i meditsina, no.12) (MIRA 18:7)

CHERNOV, A.G.; NIKOLAYEV, V.R., red.

[Prevention of heart and vascular diseases] Profilaktika
boleznei serdtsa i sosudov. Moskva, Izd-vo "Znanie" 1965.
28 p. (Novoe v zhizni, nauke, tekhnike. VIII Seriya: Bio-
logija i meditsina, no.16) (MIRA 18:8)

CHERNOV, A.G.; FAYNBOYM, I.B., red.

[Problems in thermonuclear research] Problemy termo-
iadernykh issledovaniii. Moskva, Znanie, 1965. 29 p.
(Novoe v zhizni, nauke, tekhnike. IX Seriya: Fizika,
matematika, astronomiia, no.21) (MIRA 18:10)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308530003-9

CHERNOV, A. I.

"Adjusting the Wheels of the Tractor SOT-3 for Inter-Row Cultivation," Les. Khoz.,
5, No.6, 1952

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CIA-RDP86-00513R000308530003-9"

TRAKHTMAN, Yakov Naumovich; ZHUKOV, G.I., redaktor; CHERNOV, A.I., redaktor;
BEL'CHIKOVA, Yu.S., tekhnicheskiy redaktor.

[Organization and methods of teaching public health in the U.S.S.R.]
Organizatsiya i metodika sanitarnogo prosveshcheniya v SSSR. Moskva,
Gos.izd-vo meditsinskoi lit-ry, 1956.55 p. (MIRA 9:4)
(Public health)

CHERNOV, A.I.; BESPALOV, I.V.

Replacement of the intake valves in Alap-300 pumps. Prom.
energ. 15 no.2:20 F '60.
(MIRA 13:5)
(Mine pumps)

LYUMKIS, S.Ye. (Orsk); CHERNOV, A.I. (Orsk); Prinimal uchastiye KHANZHOV, A.M.

Forms of nickel losses with waste slags during the shaft furnace
smelting of nickel ores for the production of matte. Izv. AN SSSR.
Otd. tekhn. nauk. Mat. i gor. delo no.4:81-88 Jl-Ag '63.
(MIRA 16:10)

CHERNOV, A.I.; BELOV, V.A.

New electrical apparatus of the VL60 electric locomotive. Elek. i
tepl. tiaga 7 no.6:28-30 Je '63. (MIRA 16:9)

1. Rukovoditeli grupp otdela glavnogo konstruktora Novocherkasskogo
elektrovozostroitel'nogo zavoda.
(Electric locomotives)

CHEREDOV. A. K.
CHEREDOV, Anton Konstantinovich

[Skill in operating combines] Maisternist' kombainera. Kyiv, Derzh.
vyd-vo selskohospodarskoi lit-ry Ukrainskoi RSR, 1956, 41 p.

(MIRA 11:3)

(Combines (Agricultural machinery))

• CHERNOV, A.L.

KUZ'MIN, Nikolay Mikhaylovich, laureat Stalinskoy premii, tokar' zavoda
"Krasnyy proletariy" imeni A.I.Yefremova; CHERNOV, A.L., redaktor;
ISLEN'T'YEVA, P.G., tekhnicheskiy redaktor. ——————

[Rapid metal cutting and the growth of labor productivity in
machine building] Skorostnoe rezanie metallov i povyshenie pro-
izvoditel'nosti truda v mashinostroenii. Moskva, Izd-vo "Znanie",
1955. 31 p.(Vsesoiuznoe obshchestvo po rasprostraneniu poli-
ticheskikh i nauchnykh znanii. Ser.4, no.33) (MLRA 8:11)
(Machinery industry) (Metal cutting)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308530003-9

KOCHAN, V.A.; STRONSKIY, L.N.; DONSKOY, Ya.G.; CHERNOV, A.M.

The new UPL-60 universal d.c. potentiometer. Izm.tekh.
no.7:39-41 J1 '60. (MIRA 13:7)
(Potentiometer)

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CIA-RDP86-00513R000308530003-9"

CHERNOV, A.M.

A.V. Bochek; obituary. Astron.tsirk. no.174:22 N '56.
(MLRA 10:3)
(Bochek, Aleksandr Vladimirovich, 1883-1956)

CHERNOV, A.N.

MAKAROV, Yu.G., polkovnik; ROZHDESTVIN, N.P., inzhener-podpolkovnik;
TSESARSKIY, I.Ya., podpolkovnik, redaktor; CHERNOV, A.N.,
inzhener-kapitan, redaktor; SHEVCHENKO, G.N., tekhnicheskiy
redaktor.

[Aerial photoreconnaissance service] Aerofotorazvedyvatel'naia
sluzhba. Pod red. I. Ia. Tsesarskogo. Moskva, Voen.izd-vo
Ministerstva vooruzhennykh sil SSSR, 1947, 414 p. (MLRA 9:1)
(Aeronautics, Military observations) (Photography, Aerial)

CHERNOV, A.N., inzh.

Various tower cranes for building. Mekh. stroi. 18 no.2:3-6 F '61.
(MIRA 14:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut stroitel'nogo
i dorozhnogo mashinostroyeniya.
(Cranes, derricks, etc.)

KURCHMAN, B.S.; CHERNOV, A.N., redaktor; ZUDAKIN, I.M., tekhnicheskiy
redaktor.

[Precision casting] Technoe lit'e. Moskva, Gos.izd-vo oboronnoi
promyshlennosti, 1954. 142 p.
(Precision casting)

CHERNOV, A.N.

BELYAEV, Anatoliy Ivanovich, professor, doktor; ZHUKOVSKIY, Ye.I.,
professor, retsenzent; GREYVER, N.S., professor, doktor, retsenzent;
GUS'KOV, V.M., professor, doktor, retsenzent; TSAREGORODTSEV, I.D.,
dotsent, retsenzent; FALEYEV, P.V., dotsent, retsenzent; GUSAKOVSKIY,
V.K., dotsent, retsenzent; CHERNOV, A.N., redaktor; ATTOPOVICH, M.K.,
tekhnicheskiy redaktor

[Metallurgy of light metals; general course] Metallurgija legkikh
metallov; obshchii kurs. 4-e izd. Moskva, Gos. nauchno-tekhn. izd-
vo lit-ry chernoi i tsvetnoi metallurgii, 1954. 403 p. (MIRA 7:10)
(Light metals--Metallurgy)

KRESTOVNIKOV, Aleksandr Nikolayevich, professor, doktor; SHAKHOV, Aleksey Sergeyevich, dotsent, kandidat khimicheskikh nauk; URAZOV, G.G., akademik, redaktor; CHERNOV, A.N., redaktor; ARKHANGEL'SKAYA, M.S., redaktor; ATTOPOVICH, M.K., tekhnicheskiy redaktor.

[Academician Nikolai Sergeevich Kurnakov; work in the field of non-ferrous metallurgy] Akademik Nikolai Semenovich Kurnakov; raboty v oblasti tsvetnoi metallurgii. Sostaviteli: A.N.Krestovnikov, A.S. Shakhov. Pod red. G.G.Urazova, Moskva, Gos. nauchno-tekh. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 406 p. (MLRA 7:12) (Kurnakov, Nikolai Sergeevich, 1860-1941) (Metallurgical analysis)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308530003-9

CHERNOV, A.N.

MIKHAYLENKO, A.Ya., KRUPUKHIN, V.V.; VASHCHENKO, A.I., kandidat tekhnicheskikh nauk, retsenzent; YEVDOKIMENKO, A.I., kandidat tekhnicheskikh nauk, retsenzent; CHERNOV, A.N., redaktor; ARKHANGEL'SKAYA, M.S., redaktor; VAYNSHTEYN, Ye.B., tekhnicheskiy redaktor

[Furnaces used in non-ferrous metallurgy] Pechi tsvetnoi metallurgii. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 458 p.
(Metallurgical furnaces) (MLRA 7:9)

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CHERNOV, A. N.

SEVRYUKOV, N.N.; KUZ'MIN, B.A.; CHELISHCHEV, Ye.V.; KAMAYEVA, O.M., re-
daktor; YEFANOV, N.I., redaktor; CHERNOV, A.N., redaktor; BELYAYEV,
A.I.; redaktor; BIKER, O.O., tekhnicheskij redaktor

[General metallurgy] Obshchaia metallurgiia. Moskva, Gos. nauchno-
tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 640 p.
(Metallurgy) (MLRA 8:5)

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308530003-9"

CHERTAVSKIKH, Aleksandr Kirillovich; CHERNOV, A.N., redaktor; KAMAYEVA, O.M., redaktor; BAZHENOV, M.F., inzhener, retsenzent; POBEDIN, I.S., kandidat tekhnicheskikh nauk, retsenzent; VAYNSHTEYN, Ye.B., tekhnicheskiy redaktor

[Friction and lubrication in machining metals] Trenie i smazka pri priborotke metallov. Izd. 2-e, dop. i perer. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955. 176 p.

(MLRA 8:6)

(Metal working lubricants)

CHERNOV, A.N.

Call Nr: AF 1126748

AUTHOR: See Table of Contents

TITLE: Use of Oxygen in Steelmaking (Primeneniye kisloroda
v staleplavil'nom proizvodstve)

PUB. DATA: Izdatel'stvo Akademii nauk SSSR, Moscow, 1955, 179 pp.
2,000 copies.

ORIG. AGENCY: Akademiya nauk SSSR. Institut metallurgii im.
A.A. Baykova. Ministerstvo chernoy metallurgii SSSR.
Tsentral'nyy nauchno-issledovatel'skiy institut chernoy
metallurgii.

EDITOR: Bardin, I.P., Academician; Ed. of Publishing House:
Chernov, A.N.; Tech.Ed Zemlyakova, T.A.

Card 1/5

Call Nr: AF 1126748

Use of Oxygen in Steelmaking (Cont.)

- PURPOSE: The ten articles composing this collection were written by leading Soviet steelmaking specialists to acquaint the metallurgical world with the latest findings regarding the metallurgical applications of oxygen.
- COVERAGE: The authors of the articles discuss various aspects of the use of oxygen in the open hearth scrap process, basing their data primarily on the experimental work and industrial operations of the Moskovskiy metallurgicheskij zavod "Serp i Molot" (Moscow Metallurgical "Hammer and Sickle" Plant). The first article is of an introductory nature. The only Soviet personality mentioned is Kapitsa, P.L., the physicist, the only facility, the above-mentioned Moskovskiy metallurgicheskij zavod "Serp i Molot". This collection deals exclusively with Soviet contributions. For references, see Table of Contents.

Card 2/5

Call Nr: AF 1126748

Use of Oxygen Steelmaking (Cont.)

Table of Contents:

- 1) Bardin, I.P., Academician. Significance and Some Special Features of the Use of Oxygen in Metallurgical Processes. 3-7
- 2) Trubin, K.G., Professor, Doctor of Techn. Sc. Use of Oxygen in the Open Hearth Scrap Process. 8-17
- 3) Barzdayn, P.Ya., Eng. and Tunkov, V.P. Eng. At the "Serp i Molot" Plant the Open Hearth Process is Accelerated by Oxygen. There are 2 references, both of which are Russian (unpublished reports). 18-45
- 4) Glinkov, M.A., Professor, Doctor of Techn.Sc., and Mitkalinnyy, V.I., Docent, Candidate of Techn.Sc. Thermal Performance of Open Hearth Furnaces Operating on Oxygen-Enriched Air (Scrap Process). 46-68
There are 2 references, both of which are Russian.

Card 3/5

Call Nr: AF 1126748

Use of Oxygen Steelmaking (Cont.)

- 5) Abrosimov, E.V., Docent, Candidate of Techn.Sc. Some Points of the Theory of the Acceleration of the Open Hearth Process by Gaseous Oxygen. 69-79
- 6) Kudrin, V.A., Candidate of Techn.Sc. Oxygen Content in Steel Produced with Oxygen Blown Through the Open Hearth Bath. 80-97
- 7) Abrosimov, E.V., Docent, Candidate of Techn.Sc., and Kudrin, V.A., Candidate of Techn.Sc. Optimum Zone of the Decarburization Reaction in the Open-Hearth Bath. 93-114 There are 19 references, 11 of which are Russian, and 8 German.

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Use of Oxygen Steelmaking (Cont.)

Call Nr: AF 1126748

- 8) Ansheles, I.I., Candidate of Techn.Sc. Properties of Steel Produced by Methods Involving the Use of Oxygen. 115-141 There are 12 references, 8 of which are Russian, 2 German, 2 in English.
- 9) Kryakovskiy, Yu.V., Candidate of Techn.Sc. The Question of Dust Formation With Oxygen Blown Through the Open-Hearth Bath. 142-157 There are 4 references, 3 of which are Russian, and 1 in English.
- 10) Bokshitskiy, Ya.M., New Stainless Steel Production Methods Including the Use of Oxygen for Electric Arc Furnaces. 158-179 There are 7 references, all of which are Russian.

AVAILABLE: Library of Congress

Card 5/5

CHERNOV A.N.
PANTALOV, L.I., doktor tekhnicheskikh nauk, professor, redaktor;
CHERNOV, A.N., redaktor; ASTAF'YEVA, G.A., tekhnicheskiy
redaktor.

[Making castings from high-strength case iron] Poluchenie
otlivok iz vysokoprochonogo chuguna. Moskva, Izd-vo Akademii
nauk SSSR, 1955. 199 p. (MLRA 8:12)

1. Akademiya nauk SSSR. Komissiya po tekhnologii mashinostroye-
niya.
(Iron founding)

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CIA-RDP86-00513R000308530003-9

CHERNOV, A.N.

BARSOV, I.P., inzhener; SURENYAN, G.S., inzhener; AL'PEROVICH, A.I.,
inzhener; CHERNOV, A.N., inzhener; MINDOVDEV, L.Ya., tekhnicheskiy redakteur.

[Construction tower cranes] Stroitel'nye bashennye krany. Moskva
Gos. izd-vo lit-rv po stroit. i arkhitekture, 1955. 302 p.
(Cranes, derricks, etc.) (MLRA 8:8)

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CHERNOV, A. N.

ZHOLOBOV, Viktor Vladimirovich; BOGOYAVLENSKIY, Konstantin Nikolayevich;
ZUBTSOV, Mikhail Yefimovich; LANDIKHOV, Aleksandr Denisovich;
LEKARENKO, Yevgeniy Moiseyevich; POSTNIKOV, Nikolay Nikolayevich;
MILLER, I.Ye., inzhener, retsenzent; BAZHENOV, M.F., inzhener,
retsenzent; CHERNOV, A.N., redaktor; STARADUBTSEVA, S.N., redaktor;
ATTOPOVICH, M.K., tekhnicheskiy redaktor.

[Working non-ferrous metals and alloys by pressure] Obrabotka
tsvetnykh metallov i splavov davleniem. Moskva, Gos.nauchno-tekhnik.
izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955. 486 p.
(Non-ferrous metals—Metallurgy) (MLRA 8:12)

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CIA-RDP86-00513R000308530003-9"

AGEYEV, N.V., redaktor; CHERNOV, A.N., redaktor; SOMOROV, V.A., tekhnicheskiy
redaktor.

[Studies in heat resisting alloys] Issledovaniia po zharoprochnym :
splavam. Moskva, Izd-vo Akademii nauk SSSR, 1956. 159 p. (MLRA 9:5)

1. Akademiya nauk SSSR. Institut metallurgii imeni A.A.Baykova.
2. Chlen-korrespondent AN SSSR (for Ageyev).
(Alloys) (Metals)

SAMARIN, A.M., otvetstvennyy redaktor; SOKOLOV, P.Ye., redaktor;
KHARAKHPASHEV, A.A., redaktor; GOSTEV, K.I., redaktor; PRONOV, A.P.,
redaktor; CHERNOV, A.N., redaktor izdatel'stva; SOMOREV, B.A.,
tekhnicheskiy redaktor

[Continuous casting of steel] Nepreryvnaia razlivka stali; 17-19
oktiabria. Moskva, Izd-vo Akademii nauk SSSR, 1956. 299 p. (MLRA 9:7)

1. Vsesoyuznaya konferentsiya po nepreryvnnoy razlivke stali,
1st, 1955. 2. Chlen-korrespondent AN SSSR (for Samarin)
(Steel--Metallurgy) (Continuous casting)

CHERNOV, A.N.

KORNILOV, Ivan Ivanovich; URAZOV, G.G., akademik, otvetstvennyy redaktor;
PLYUSHCHEV, V.Ye., redaktor izdatel'stva; *CHERNOV, A.N.*, redaktor
izdatel'stva; MAKUNI, Ye.V., tekhnicheskiy redaktor

[Iron alloys] Zheleznye splavy. Moskva. Vol.3. [Iron-chromium-nickel system of alloys] Splavy sistemy zhelezo-khrom-nikel'.
1956. 430 p. (MLRA 9:9)

1. Akademiya nauk SSSR. Institut metallurgii.
(Iron-chromium-nickel alloys)

BOCHVAR, Andrey Anatoliyevich, akademik; BUNIN, K.P., retsensent; CHERNOV,
A.N., redaktor; KAMAYEVA, O.M., redaktor; ATTOPOVICH, M.K., tekhnicheskiy redaktor.

[Physical metallurgy] Metallovedenie. Izd.5-ee, perer. i dop.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi
metallurgii, 1956. 494 p. (MIRA 9:5)
(Physical metallurgy)

CHERNOV, A.N.

ISTRIN, Mikhail Aleksandrovich; LEVITIN, Vul'f Khananovich; RUBINSHTEYN,
Iosif Grigor'yevich; MILLER, Solomon Mikhaylovich; MILLER, L.Ye.,
kandidat tekhnicheskikh nauk, retsenzent; BELOV, V.Ya., redaktor;
CHERNOV, A.N., redaktor; ARKHANGEL'SKAYA, M.S., redaktor izdatel'-
stva; MIKHAYLOVA, V.V., tekhnicheskiy redaktor

[Secondary nonferrous metals] Vtorichnye tavetnye metally; spravochnik. Izd. 3-e, perer. i dop. Pod red. V.IA.Belova. Moskva, Gos.
nauchno-tekhn. izd-vo lit-ry po chernoi i tavetnoi metallurgii.
Pt.1. [Procurement and primary processing] Zagotovka i pervichnaia
obrabotka. 1956. 558 p. (MIRA 9:7)
(Nonferrous metals)

CHERNOV, A.N.

SAMARIN, A.M., otvetstvennyy redaktor; TSYLEV, L.M., professor, doktor, redaktor; VOSKOBOYNIKOV, V.G., doktor tekhnicheskikh nauk, redaktor; OSTROUKHOV, M.Ya., kandidat tekhnicheskikh nauk, redaktor; CHERNOV, A.N., redaktor izdatel'stva; KISELEVA, A.A., tekhnicheskiy redaktor

[Investigation of blast furnace processes] Issledovanie domennogo protsessa. Moskva, 1957. 255 p. (MLRA 10:4)

1. Akademiya nauk SSSR. Institut metallurgii.
2. Chlen-korrespondent AN SSSR (for Samarin)
(Blast furnaces)

CHERNOV, A.N.

BELYAYEV, Anatoliy Ivanovich; ZHEMCHUZHINA, Yelena Aleksandrovna; FIRSANOV,
Lidiya Aleksseyevna; SKLYARENKO, S.I., professor, doktor, reisenzent;
KRESTOVNIKOV, A.M., professor, doktor, reisenzent, ~~CHERNOV, A.N.~~
redaktor; ARKHANGEL'SKAYA, M.S., redaktor izdatel'stva; ATTOPOVICH,
M.K., tekhnicheskij redaktor

[Physical chemistry of soluble salts] Fizicheskaja khimiia rasplavlen-
nykh solei. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i
tavetnoi metallurgii, 1957. 359 p. (MIKA 10:11)
(Salts, Soluble)

CHERNOV, A.N.

VORONOV, Savvatiy Mikhaylovich; PETROV, D.A., doktor tekhnicheskikh nauk,
professor, redaktor; CHERNOV, A.N., inzhener, redaktor; PETROVA,
I.A., izdatel'skiy redaktor; SAVARI, A.N., tekhnicheskiy redaktor

[Selected works on light alloys] Izbrannye trudy po legkim splavam.
Pod obshchei red. D.A.Petrova. Moskva, Gos.izd-vo obor.promyshl.,
1957. 544 p. (MLRA 10:8)
(Alloys)

: Chernov, A. N.

184

Layner, Vladimir I., Professor, Doctor; Kudryavtsev, Nikolay T.,
Professor, Doctor.

Osnovy gal'vanostegii (Principles of Electroplating) Chast' II
(Part II) Moscow, Gosudarstvennoye nauchno-tekhnicheskoye
izdatel'stvo literatury po chernoy i tsvetnoy metallurgii, 1957,
3d edition, rev. and enl., 647 pp., 10,000 copies.

Ed.: Chernov, A. N.; Ed. of the Publ. House: Kamayeva, O. M.,
Tech., Ed.: Attopovich, M. K.; Reviewers:
Gorbunova, K. M., Professor, Doctor; Dokin, N. I.,
Engineer, and Semin, V. M., Engineer.

PURPOSE: The book is intended for engineers and technically trained
personnel in electroplating shops, scientific research
institutions, and engineering design organizations, and may
be of use to university students.

Card 1/16

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Principles of Electroplating (Cont.)

COVERAGE: The book treats of electroplating with noble and rare metals and alloys. Equipment, theoretical principles and techniques of electroplating are described in detail. Personalities mentioned include: Shvyryayev, G. K., Engineer, and Korolenko, N. K., Engineer. There are 202 references, 96 of which are USSR, 78 English and 28 German.

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Ch. I. Electrodeposition of Iron and Cobalt	
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Use of iron plating and properties of electrodeposited iron	9
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